EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
Total:			1395216+a	
			IT - 27904-a	
			Cu - 13952-a	
			CBF - 1395-a	
			LR - 69761-a	
			FSD - 69761-a	
			CGST - 13952-a	
			SGST - 13952-a	
			Addn - 147892-a	
			Cl/n 12.47,324-a	

First & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Agency :- KRIDL

Serial No. .....

Name of Work Levelling & filling and Construction of Retaining wall to 495812

Name of Contractor of nature of Agency Indira Kitchen at BWSSB premises, Hitech city no 109

Date of commencement of work Siddapura village ward 11 Kaverappanagar Vidyaranyapura Subdiv.

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work code no :-	011-18-000102					
	Work order no :-	EE/BTP/BBMP/KRIDL/WO/140/2018-19 dt 27.09.2018					
	Estimate cost & A/A :-	19.71 lakhs, P3106					
	A/S and T/S no :-	AS/CE/(YNK) 05/18-19 dt 30.5.18					
		TS/EE/(BTP)/62/18-19 dt 15.9.18.					
1)	Earth work in Surface Excavation in ordinary soil for levelling & lowering the ground Manually after taken foundation of Sanitary, culvert road drains & trenches & cables) & removing the excavated stuff to a distance not exceeding 50 m & lift upto 1.5m Selected person levelled & neatly dressing disposal earth to be levelled & bunds, slopes etc complete as per specification & as per direction of Engineer in charge for

Fair Copy

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Lvelly shed	1	27.45	15.25	(4.5+2.8+0.6)/3	10)4.444	305281
			@Rs	284.13/m		Rs - 305276/-	
2)	Excavation soft rock beyond blasting line to formation level in trenches for drain including cost of explosive labour tools & machinery & equipment complete as per specification					188.38 cm	152588
		1	27.45	15.25	0.45		
			@Rs 810/cm			Rs - 152588/-	
3)	Dismantling masonry structure like culverts, bridges, retaining walls & other structure comprising of masonry cement concrete, wood work, steel work, including T&P any scaffolding where necessary complete dismantled material disposal of unserviceable material & stacking the serviceable material with all lead & lift etc complete	1	6.0	0.45	1.50	4.05 cm	
				@Rs	221.40/m	Rs - 897/-	

Serial No. .....
Name of Work .....
Name of Contractor of natu
Date of commencement of

Date	Full description,
1	2
4)	Earthwork in ... beyond ... including ... after ...
	Valley
5)	previously ... 22000

IENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
.45	15.25	(4.3+2.8+0.6)/5	10)4.44 m	305281
Rs	284.13/m		Rs - 305276/-	
ashing	to formation	ready		
le	lead	including	cost	&
	Complete	as	per	
.45	15.25	0.45	188.38 m	152588
Rs	810/m		Rs - 152588/-	
	like	culverts,	bridges,	retaining
	retaining	walls	of	other
	,	wood	work,	steel
	easing	setup	&c	dismantling
	stacking	the	serviceable	material
.0	0.45	1.50	4.05	m
	@Rs	221.40/m	Rs - 897/-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 495813
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4)	Earthwork Excavation by manual means in ordinary soil including an average lead upto 2.0 km & an average lift upto 0.75m Excavated & throw upto proper bunds & sides neatly dressed to disposal earth to be levelled neatly after breaking clods complete as per specification.						
	RL Lathy	2	15.50	0.60	0.60	11.16 Cum	
		1	22.00	0.60	0.60	7.92 m	
	Bailey/Formula	1	27.45	1.0	0.15	4.12 m	
		2	14.35	1.0	0.15	4.31 m	
					Qty	27.50 m	
					@Rs 203.13/m	Rs - 5586/-	
5)	Providing & laying in position plain cement concrete (using mix 1:3:6 with 40 mm nominal size graded granite metal) Coarse aggregate						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ 0.82 cu & fine aggregate @ 0.465 cu Machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in Foundation & RCC already cast & all materials below Ground Level etc complete						
	Bed cc	2	15.50	0.60	0.15	2.79 cu	
		1	22.0	0.60	0.15	1.98 "	
	Sundry Somerkip	1	27.45	1.0	0.15	4.12 "	
		2	14.35	1.0	0.15	4.31 "	
						13.19 cu	71881
						@ Rs 5449.18/cu	Rs 71895/-
6)	Providing & laying in position reinforced cement concrete of design mix M 25 with opc cement @ 340 kgs with 20 mm & down size graded granite metal coarse aggregate & 0.70 cu & fine aggregate @ 0.47 cum with super plastisizer @ 3% conforming to IS 9103-1999 excluding cost of machine mixing & conveying laid in layers not exceeding						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	15 cm thick Nitrated Kerb & beams retaining etc complete Rft. Wall
7)	Providing TMT steel reinforcement bending, hooking, placing, tying with binding wire necessary complete as per & Rate / Cost all Mat

NT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
0.465 m	Machine mix at consite, then well compacted in			
	- all materials below Hand Mixing			
50	0.60	0.15	2.79 m	
0	0.60	0.15	1.98 "	
45	1.0	0.15	4.12 "	
5	1.0	0.15	4.31 "	
			13.19 m	71881/-
			@ Rs - 71095/-	
49.18 m				
ing in	Cent Concrete	& designing		
with 2	mm & down size graded			
& 0.70	& fineness	modulus @ 0.47		
by	conforming to IS 383-1993			
Concrete	laid in layers not	Exceeding		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 495814
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	15 cm thick Plinth protection for all walls in ground floor including cost of all materials, Labour, Hire & Machinery Plinth & beams retaining walls including cost of all materials Labour Hire & Machinery etc Complete						
	Rt. wall	2	15.5	(0.45+0.23)/2	3.80	40.05 cm	
	C/F C/O 30/10	1	22.0	(0.45+0.23)/2	3.80	28.42 m	471030/-
					Total of	68.48 m	470893/-
			@ Rs 6870.36/m			Rs - 470866/-	
9)	Providing TMT steel reinforcement for RCC work including straightening cutting bending hooking placing in position lapping & or welding wherever required tying ends binding wire all anchoring to the adjoining member wherever necessary complete as per design (Caps, hooks & bends shall not be measured & paid) Cost of all materials, Labour Hire & Machine etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	premises ~~schedule~~ ~~item~~ page 495899 ~~Abstract~~ Item B						538041
	abs 8.22 sqm @ Rs 65455.50/sqm					B - ~~537856~~ -	
8)	providing & casting in situ cement concrete M 20 grade using 20mm graded stone aggregate & fine aggregate of zone III as per mix design in the following locations: Footing, Shear wall, Staircase, Lift pit, etc & upto floor level, Columns, Beams, Slabs, Lintels, Chajjas, Sunshades, Curved surfaces, Landings, Steps, Ramps, Walls, Pillars, Pillasters, Parapets, Fillets, Shelves, Grills, Openings, Ducts, Machine bases, Plinth beams, Grade beams, Tie beams, Sill bands, Plinth bands, Lintel bands, Roof bands, Gable bands, Coping, Kerb, Bed blocks, Anchor blocks, Thrust blocks, Supports, Trenches, Pedestals, Pipe supports, Fencing posts, Gate posts, Bollards, Water tanks, Septic tanks, Soak pits, Manholes, Chambers, Culverts, Bridges, Retaining walls, Abutments, Piers, Return walls, Wing walls, Head walls, Approach slabs, Kerb stones, Railings, Hand rails, Parking stoppers, Speed breakers, Pavements, Roads, Runways, Aprons, Taxiways, Helipads, Helideck, Jetties, Wharves, Quays, Piles, Pile caps, Raft foundations, Mat foundations, Isolated footings, Combined footings, Strip footings, Machine foundations, Anti-vibration pads, Expansion joints, Construction joints, Movement joints, Water bars, Waterstops, Joint fillers, Sealants, Backing rods, Primer, Bond breaker, Curing compound, Admixtures, Plasticizers, Retarders, Accelerators, Air entraining agents, Waterproofing compound, Integral waterproofing, Crystalline waterproofing, Polymer modified concrete, Fibre reinforced concrete, Steel fibre concrete, Glass fibre concrete, Polypropylene fibre concrete, Carbon fibre concrete, Basalt fibre concrete, Natural fibre concrete, Recycled aggregate concrete, Lightweight concrete, Heavyweight concrete, Self-compacting concrete, Self-levelling concrete, Pumped concrete, Shotcrete, Gunite, Ready-mix concrete, Site-mixed concrete, Batching plant, Transit mixer, Concrete pump, Boom placer, Tremie, Chute, Bucket, Skip, Crane, Hoist, Conveyor, Belt, Screw, Auger, Drill, Rig, Piling rig, Diaphragm wall, Secant pile, Contiguous pile, Sheet pile, Timber pile, Steel pile, Concrete pile, Composite pile, Bored pile, Driven pile, Cast-in-situ pile, Precast pile, Prestressed pile, Reinforced pile, Unreinforced pile, Plain pile, Tapered pile, Straight pile, Belled pile, Under-reamed pile, Enlarged base pile, Friction pile, End bearing pile, Combined friction and end bearing pile, Load bearing pile, Non-load bearing pile, Test pile, Working pile, Anchor pile, Tension pile, Compression pile, Lateral load pile, Vertical load pile, Inclined pile, Raking pile, Battered pile, Vertical pile, Horizontal pile, Curved pile, Straight pile, Tapered pile, Stepped

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
495899				538047
@ Rs 65455.50/cum				B- 537857/-
Shutting, shuttering propping etc of				
cal surfaces such as walls at any				
aster beams slabs & stair cases cost				
15.50	3.8		235.60 Sqm	
22.00	3.8		167.20 Sqm	
			402.80 Sqm	
316.44 Sqm				
			B- 127462/-	
ussy Rule 2nos 20mm & down type				
& fine aggregate of zone any location				
15mm thick & well compacted, including				
(Seeling charges for steel & fabrica				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

495815

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	tion charges) Ready Mixed Cement Concrete for beam, slabs & roof 1:1½:3 20						
	Sunday stones	1	27.45	1.0	0.15	4.12 Cum	
		2	14.35	1.0	0.15	4.31 Cum	
					Qty	8.42 Cum	53461-
			@ Rs 6349.32/Cum			B- 53477/-	
10)	provide & fixing MS flat as per chief architect drawing using 50mm x 50mm x 6mm MS angle iron frame & other bent to ornamental shape as						
	16 gauge MS holdfast Pipe frame & other bent to ornamental shape as						
	shown in the drawing and 35mm x 6mm & 16mm x 16mm square rods for						
	verticals alternately spaced at 10cm c/c in two halves & 40mm x 6mm MS						
	cast iron spikes are provided at alternate vertical members as shown						
	in the drawing etc complete all the steel surface should be thoroughly cleaned free						
	& rust & paint with anti corrosive Paint (Ship Paint) etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	The UMC including cost of all Materials, Labour, etc complete						
	CRF	2	3.50	2.20		15.40 Sq.m	
	30/10			@ Rs. 316872/Sq.m		B/-	48798/-
						Total Rs/-	1774692/-
							1774892/-
						Add 11% KRIDL Charges Rs/-	195238/-
							1970130/-
	(Repeat written letter serely Rs only)					Rs/-	1970130/-
	Certificate						
	Certified that the above work done satisfactory & the material used to agency by depart					J. V. Rajkumar	16/10/18

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Byatarayanapura Sub-Division
BBMP, Bangalore-97

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc,
1	2

ಬಿಲ್ಲು ಪೊಬಲಗು ರೂ
ಗಳ ಬಾಯಿಮಾತು ಮಾಡಿದೆ
ಮೊಬಲಗನ್ನು ಮಾಡಿಕೊಂ
Rs Seven teen
nine Rs one hund
ಬೇಕು ಮುಂದಾಗಿರ ನೀಡಿ
Vasanth 30
ಲೆಕ್ಕಾಧಿಕ್ಷಕರು

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...aterials, Jaison, etc complete			15.60 Sq	
3.50	2.20		B - 48798	
@ Rs 3168.72/Sq			Total Sq - 177697	
add 11% ICR/DL charges			Sq - 195238	
			Rs - 1970130/-	
...erely Rs only and ...				
...done satisfactory ...no material				
...m				

J. V. Rajkumar 16/10/18

...Executive Engineer ...Division ...P, Bangalore-97

M. A. R. 57 (Rule 116)
Measurement Book

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

495816

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ					19.70,130-00	
	ಗಳ ಪ್ರಮಾಣ ಪತ್ರವಿದೆ : ಇದರಲ್ಲಿ ರೂ					205208-00	
	ಮೊಬಲಗನ್ನು ಕಾಯ್ದಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು					1764922-00	
	By Seventeen Lakh Sixty four Thousand nine Nine Hundred Two only.						
	ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ						
	ಲೆಕ್ಕಾಧೀಕ್ಷಕರು						
	ಕಾ. ಪಾ. ಅ ... ಯುನಿಟ್ ನಂ ... ಬೃ. ಬ. ಮ. ಪಾ						

Total Rs: 19.70,130-00

IT	39403-00
Cess	19701-00
CBF	1970-00
LR	6325-00
FSD	98507-00
CGST	19701-00
SGST	19701-00
Addn	205208-00
Charges	1764922-00